

Date: Mon, 18 Oct 93 04:30:17 PDT  
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>  
Errors-To: Ham-Digital-Errors@UCSD.Edu  
Reply-To: Ham-Digital@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Digital Digest V93 #78  
To: Ham-Digital

Ham-Digital Digest                      Mon, 18 Oct 93                      Volume 93 : Issue    78

Today's Topics:

DJ\_580 microphone connector  
Macintosh & Packet: Need HELP! (2 msgs)  
Message not deliverable  
PI Card Drivers

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>  
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Fri, 15 Oct 1993 04:51:47 GMT  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!  
darwin.sura.net!perot.mtsu.edu!raider!theporch!jackatak!martinbw@network.ucsd.edu  
Subject: DJ\_580 microphone connector  
To: ham-digital@ucsd.edu

dbraun@ilx049.intel.com (Doug Braun) writes:

> Well, I got a DH-580 and I need to connect it to my TNC. From  
> the schematic, I understand how the PTT and audio go on the same  
> line. No problem there. BUT, the microphone socket is a (submini)  
> STEREO socket, where the middle terminal is is apparently supposed to  
> supply 5 volts power to an external speaker-mike. So, if I plug in  
> a regular mono submini plug, I will end up shorting this power  
> connecton to ground! (thru a 100-ohm resistor). If I used a stereo  
> submini plug, and left the middle terminal unconnected, everything  
> would be OK. But I haven't seen a stereo submini plug, just mono  
> ones.  
>

> What does everyone else do? Is there a source for stereo submini plugs?  
 > Do you just use a mono one and not worry about the power connection?  
 >  
 > Thanx,  
 >  
 > -----  
 > Doug Braun        Intel Israel, Ltd.        M/S: IDC1-41  
 >                    Tel: 011-972-4-655069    dbraun@inside.intel.com  
 >

I built a cable for my KAM tnc and my DJ580. i had similar questions that went unanswered. I have had good luck using a mono sub-mini. I have AFSK going thru a .1microFarad capacitor to the Tip as well as PTT thru a 3.9kOhm resistor connected to the tip. The sleeve is connected to ground. On the audio jack the sleeve is also conected to ground with the tip connected to Audio (AFSK) in to the tnc.  
 THis works for me. Your milage may vary.

I hope this helps,

73 de Bruce/KQ4TV

```
*****
* Bruce W. Martin            Internet: martinbw@jackatak.raider.net    *
* 4558 Brooke Valley Dr.    AOL:        Dragon16                    *
* Hermitage TN 37076-2650    HAM Call: KQ4TV                       *
* Voice:        (615) 872-9942    Work:        (615) 244-2022       *
* FAX/MODEM:    (615) 885-4182                                       *
*****
```

-----  
 Date: Fri, 15 Oct 1993 13:49:46 GMT  
 From: usc!math.ohio-state.edu!darwin.sura.net!perot.mtsu.edu!raider!theporch!  
 jackatak!martinbw@network.ucsd.edu  
 Subject: Macintosh & Packet: Need HELP!  
 To: ham-digital@ucsd.edu

fsrla@aurora.alaska.edu writes:

> Hello, I'm new to this area and was wondering if  
 > anyone could tell me what they think would be a  
 > cheap, but affective Packet set-up for a Macintosh  
 > running System 7. I don't see much talk about using  
 > a Mac for packet, but it's the only computer in our  
 > house.  
 > Any help would be apriciated.....thanks!  
 >                                    ROG!

> FSRLA@AURORA.ALASKA.EDU  
>

I use a KAM and HostMaster II for the mac and it works quite well.  
You will need to buy a hardware handshake modem cable for best results.  
You can build one or buy them from several places. DataSpec manufactures  
the one that I use. If you need any additional help send e-mail.

Hope this helps,  
73 de Bruce/KQ4TV

```
*****
* Bruce W. Martin           Internet: martinbw@jackatak.raider.net   *
* 4558 Brooke Valley Dr.    AOL:      Dragon16                      *
* Hermitage TN 37076-2650    HAM Call: KQ4TV                        *
* Voice:      (615) 872-9942  Work:      (615) 244-2022             *
* FAX/MODEM:  (615) 885-4182                                         *
*****
```

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Date: Mon, 18 Oct 1993 09:45:57 GMT  
From: raven.alaska.edu!aurora.alaska.edu!fsrla@decwrl.dec.com  
Subject: Macintosh & Packet: Need HELP!  
To: ham-digital@ucsd.edu

I must say a HUGE thank-you  
to everyone who helped out with my questions!  
Your answers were quite informing!!!!!!  
Thanks you!!!!!!

ROG!

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Date: 17 Oct 93 23:48:19 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Message not deliverable  
To: ham-digital@ucsd.edu

Ham-Digital Digest                      Sun, 17 Oct 93                      Volume 93 : Issue    76

Today's Topics:

JNOS 1.07b not on 73 BBS  
Looking for VHF packet equipment recommendations  
Model 102 as baycom modem tnc??  
Public Apology  
RAC Bulletins in Electronic Form?  
TPK<==>FBB protocol/packets?

WX FAX with PK232?

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policies or positions of any party. Your mileage may vary. So there.  
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Date: 14 Oct 93 17:18:00 GMT  
From: ogicse!uwm.edu!cs.utexas.edu!oakhill!val!afarm!fredmail@network.ucsd.edu  
Subject: JNOS 1.07b not on 73 BBS  
To: ham-digital@ucsd.edu

With only a 2-3 month lead time available to locate and upload  
a version of JNOS (ANY version) 73 Magazine has failed yet  
again. Those of you hoping to get the same version of the  
JNOS code that Jeffrey Sloman N1EWO is going to use in his  
series of articles, are apparently SOL (Short On Luck).  
As someone noted last month, the 1.08c version was not  
on the 73 BBS. This month, the article (with no explanation  
for the change) informed readers that JNOS 1.07b would be  
used and was available on the 73 BBS, in the Packet area (#9).  
The Packet area is area 8; there still does not appear to be  
ANY version of JNOS from the 73 BBS.

IF you have INTERNET access, you may get 1.07b from ucsd.edu.  
73 magazine says the directory is \hamradio\packet\tcpip\jnos.  
Since ucsd.edu is a UNIX system, I'd guess that the backslashes  
(the \) should be slashes (the /), unless someone has got a  
neat piece of code running. If the \ character doesn't work,  
try the /. Better yet, find a local expert to help with  
getting TCP/IP going.

Burt N5SYY

.. "Do something special for Mother's Day" - Oedipus  
\_\_\_ Blue Wave/QWK v2.12  
  
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Date: Sun, 17 Oct 1993 01:38:46 GMT  
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!vixen.cso.uiu

c.edu!moe.ksu.ksu.edu!hobbes.physics.uiowa.edu!news.uiowa.edu!herky.cs.uiowa.edu!  
mau@network.ucsd.edu  
Subject: Looking for VHF packet equipment recommendations  
To: ham-digital@ucsd.edu

Hi

I just got my technician license and I am trying to collect info for packet radio equipment while I am waiting for the magic paper to arrive.

Since I have no idea about VHF equipment I bought a few magazines and I read the FAQ. Well I think that I have some idea of what I am looking for but if you think that I am looking for the wrong setup please tell me so. I am interested in a portable VHF packet station which I could operate with out AC power.

The setup I am thinking of is the following.

- 1) a handheld VHF radio that I can also use for voice communications
- 2) A battery or battery/AC operated TNC. I am only interested in VHF packet so I need a TNC which has the minimum number of operating modes and features.
- 3) VHF active antenna. I need an active antenna because I found that there is too much interference where I live.

I show some ads for a MFJ or MJF?? active antenna which operates up to 200 Mhz and can be used for HF as well, so I can use with my Sony sw receiver.

- 3) A laptop or handheld msdos computer. I would prefer to use my Tandy 100 but I do not know if I can find software for it.

SO I am looking for recommendation for the following equipment

- 1) VHF handheld radios price up to \$300
- 2) VHF TNCs price up to \$150
- 3) active antennas price up to \$100

You may e-mail me any comments or you can post to this group.

Napoleon  
mau@herky.cs.uiowa.edu

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Napoleon Mau  
mau@herky.cs.uiowa.edu

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Date: Fri, 15 Oct 1993 22:42:55 -0400

From: magnesium.club.cc.cmu.edu!news.sei.cmu.edu!bb3.andrew.cmu.edu!andrew.cmu.edu!  
ee2g+@uunet.uu.net  
Subject: Model 102 as baycom modem tnc??  
To: ham-digital@ucsd.edu

Has anyone hooked a baycom serial port modem up to a TRS-80 modem  
102 laptop computer? If so where can I find the 'soft tnc' software?

Thanks  
Chuck N3QAT  
ee2g+Charles@andrew.cmu.edu

-----  
Date: Thu, 14 Oct 93 16:17:54 -0400  
From: dog.ee.lbl.gov!agate!howland.reston.ans.net!europa.eng.gtefsd.com!emory!dra  
gon!nj8j!ben@network.ucsd.edu  
Subject: Public Apology  
To: ham-digital@ucsd.edu

eeyimkn@unicorn.nott.ac.uk (M. Knell) writes:

> In article <4653@eram.esi.COM.AU> dave@esi.COM.AU (Dave Horsfall) writes:  
> >So, who is this prawn, "Randy KF8TV @ W8HHF" ? Some wanna-be lawyer?  
> >Are there any more like him over there?  
> >  
> Anybody feel like mailstorming him? But then again, maybe it's just not worth  
> loading the pacsats and HF gateways just for this bozo's sake..

Evidently, he's already been mailstormed enough. He's posted an apology to  
the packet network, and has even taken a self-imposed month away from packet  
as a result of his original posting. Methinks he's seen the light.

Ben

+-----+  
Ben Coleman NJ8J	"All that is not eternal is
AX.25: NJ8J@W4Q0.#EAL.#ATL.GA.USA.NA	eternally out of date."
Internet: ben@nj8j.atl.ga.us	C. S. Lewis
+-----+

-----  
Date: Sat, 16 Oct 1993 13:02:21 GMT  
From: gummy!destroyer!nntp.cs.ubc.ca!alberta!adec23!ve6mgs!mark@yale.arp  
Subject: RAC Bulletins in Electronic Form?  
To: ham-digital@ucsd.edu

I am breaking from tradition, and allowing MY request for information to be cross-posted to rec.radio.info. Since it is an administrivia request for the group of rec.radio.info, I feel it is justified as part of running the information only news group.

I have had a rash of recent requests for some electronic access to the Radio Amateurs of Canada (RAC) Bulletins and Articles. I will be endeavoring to find a local source, if possible, but would also appreciate any effort by someone else to be a provider of this information to the rec.radio.info news group. Please contact rec-radio-request@ve6mgs.ampr.ab.ca if you have access!

Thanks, Ciao, 73 de VE6MGS/Mark mark@ve6mgs.ampr.ab.ca|mark@adec23.UUCP  
- Entries to the Amateurs on USENET List: hams-on-usenet@ve6mgs.ampr.ab.ca  
- Postings to rec.radio.info: rec-radio-info@ve6mgs.ampr.ab.ca  
- rec.radio.info administrivia: rec-radio-request@ve6mgs.ampr.ab.ca  
"Give any one species too much rope, and they'll \*\*\*\* it up"  
'Too much Rope' Amused to Death, Roger Waters

-----  
Date: 15 Oct 93 17:48:45 GMT  
From: library.ucla.edu!news.mic.ucla.edu!magnesium.club.cc.cmu.edu!pitt.edu!dsinc!  
!spool.mu.edu!uwm.edu!rpi!utcsri!utgpu!attcan!ncrcan!courts!wwg@network.ucsd.edu  
Subject: TPK<=>FBB protocol/packets?  
To: ham-digital@ucsd.edu

I don't have a normal TNC (HAPN), so I'm attempting to write my own software to emulate some of the TPK processes, while connected (and not) to a FBB bbs. Grabbing the broadcasted bulletin headers is a sinch. Getting uploads/downloads due to compression, is NOT.

After TPK transmits the "F< 113905\r" message to the bbs (while connected to retrieve message # 113905) some data followed by the compressed message is transmitted. While the dumps of actual traffic I have at home show all the gory details... I'm trying to submit this message from memory... From memory, what appears to be transmitted is:

01 <length\_byte> subject info 00

This is followed by:

02 <data\_segment\_length> ...appears to be 4? fixed bytes of info...  
+ the rest of the first data segment. A full segment appears to never exceed the limit of 250 for length.

then more

02 <length\_byte> ....data...

packets follow until the entire message is delivered to TPK. The length bytes never include the "02" byte nor the length byte itself.

NOW TO THE POINT OF THIS POSTING:

=====

1. Can anyone expound on the exact "data units" and formats here?
2. Where in the first "data segment" does the compressed message actually start? It appears bytes 0-1 (my recall?) are uncompressed size + 66 bytes (little endian). Bytes 2-3 (I think) were always "00 00" in my dumps. So does the compressed message start at byte offset 4, or is there a 66 byte frequency table/other header/or what?, prior to the compressed message? Most messages all start with nearly identical byte sequences for up to 15+ bytes. It almost suggests a frequency table...
3. WHAT COMPRESSION METHOD IS USED? Is it LZW (ie if no frequency table is used)? Maybe one of the PKZIP employed methods? Maybe the same one used internally by 7PLUS.EXE? Anybody know what method 7PLUS.EXE uses?

Anybody wanna suggest some good tests for identifying the compression method used?

If there is enuf interest, I could upload some of my captured TPK <==> FBB bbs traffic dumps. With enuf net readers jumping on the "problem", I'm sure we can crack this open.

Maybe, there actually exists some documentation on this topic?

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Warren W. Gay VE3WWG John Coutts Library Services Limited  
wwg@coutts.UUCP Niagara Falls, Ontario, Canada

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Date: 15 Oct 1993 13:07:43 -0700

From: dog.ee.lbl.gov!agate!howland.reston.ans.net!vixen.cso.uiuc.edu!newsrelay.ia  
state.edu!destroyer!nntp.cs.ubc.ca!vanbc.wimsey.com!vanbc.wimsey.com!not-for-mail  
@network.ucsd.edu

Subject: WX FAX with PK232?



To: ham-digital@ucsd.edu

The fax capabilities of the PK-232 are rather limited. It is not mentioned in the documentation for the hardware, but the AEA software documentation mentions that the PK-232 drops two of every three lines of a WEFAX. That renders the received faxes almost unreadable.

Of course, I bought the AEA software before I found out about this!

The AEA-FAX is much better. I have even received satellite images on 9.090 MHz that were absolutely clear.

So, don't bother with the AEA software for the PK-232MBX. In my opinion, it is not worth the price.

73 de VE7MDL (VE0MDL@VE7KIT on packet) ....Erik.

-----  
Date: Sat, 16 Oct 1993 11:57:50 +0000  
From: library.ucla.edu!agate!doc.ic.ac.uk!uknet!demon!llondel.demon.co.uk!dave@network.ucsd.edu  
To: ham-digital@ucsd.edu

References <1993Oct13.170548.5219@combdyn.com>, <750648057snx@llondel.demon.co.uk>, <27259@acorn.co.uk>  
Reply-To : dave@llondel.demon.co.uk  
Subject : Re: Multiple TNCs on same frequency

In article <27259@acorn.co.uk> agodwin@acorn.co.uk (Adrian Godwin) writes:  
>In article <750648057snx@llondel.demon.co.uk> dave@llondel.demon.co.uk writes:  
>>  
>>It is quite possible to run NOS and an AX25 packet BBS on the same machine.  
>>If you run the BPQ network switch on the PC and run Desqview, you can get  
>>NOS to coexist quite happily in a Desqview window with BBS software in other  
>>windows. I have successfully run RLI/YFB/FBB software alongside various  
>>versions of NOS in this way.  
>>  
>  
>It works, but performance may be disappointing - my local IP switch runs  
>this way, and even though the BBS is used only to serve IP users with  
>a more complete system than NOS's native BBS provides (the AX25 users are  
>served by a different station), performance can be abysmal.  
>  
>As an example, I got a 17 second initial ping (i.e. including the arp)  
>time last night. No packets lost, but incredibly slow response.  
>I suspect this is because the BPQ switch buffers up the packets OK, but  
>they aren't processed by the other software until desqview chooses to

>switch tasks. If a short timeslice is used, poor efficiency results.  
>If a long timeslice is used, latency is long.  
>I imagine deskview has no way of adjusting the time given to the various  
>tasks dynamically, since it can't know what they're waiting for.  
>  
The system here currently runs FBB5.15/WNOS4.0b/BPQ4.06k under DV2.42. I can  
get pings of <4 secs on a fairly busy link freq. AFAIK all the bits of s/w are  
DV-aware and will give up timeslices when waiting. Try running the BPQ IP  
router in another DV window to handle most of the routeing, and only direct  
the minimum stuff to the NOS window.

>You may get away with this for a BBS system that provides IP access,  
>and it may be possible to tune the system for better throughput,  
>but I wouldn't recommend it if you're doing IP routing.  
>  
My system happens to be the main IP router for the local area.....

Last comment is that it runs a six-port switch on a 33MHz 386DX. Your mileage  
may vary.

Dave

--

\*\*\*\*\*  
\* G4WRW @ GB7WRW.#41.GBR.EU AX25 \* Start at the beginning. Go on \*  
\* dave@llondel.demon.co.uk Internet \* until the end. Then stop. \*  
\* g4w1w@g4w1w.ampr.org Ampnet \* (the king to the white rabbit) \*  
\*\*\*\*\*

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End of Ham-Digital Digest V93 #76

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Date: 18 Oct 93 00:38:28 GMT  
From: harpo!ucla-se!seal!nazareth@locus.ucla.edu  
Subject: PI Card Drivers  
To: ham-digital@ucsd.edu

Hi,

I was wondering if there is anyone out there who has used the PI card packet  
drivers from UCSD to connect two PC's back-to-back. I am trying to do that  
and I was wondering what the pin-out for the connecting cable should be.

Please email all responses to nazareth@janet.ucla.edu.

Thanks,

Sean

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End of Ham-Digital Digest V93 #78

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